



ENERGY STAR® Data Verification Checklist for Certification

89

ENERGY STAR®
Score¹

06-902 - Field Engineering Office

Primary Function: Office
Gross Floor Area (ft²): 7,260
Built: 1993

For Year Ending: 08/31/2013²
Date Application Becomes Ineligible: 12/29/2013

1. Score is on a scale of 1-100. Application must be submitted to EPA within 4 months of the Period Ending date. Award is not final until approval is received from EPA.
2. The ENERGY STAR Score is based on total source energy. A score of 75 is the minimum to be eligible for the ENERGY STAR.



Please use the [Licensed Professional's Guide to the ENERGY STAR® for Commercial Buildings](http://www.energystar.gov/ia/business/evaluate_performance/pm_ip_guide.pdf) for reference in completing this checklist
(http://www.energystar.gov/ia/business/evaluate_performance/pm_ip_guide.pdf).

Property & Contact Information

Property Address

06-902 - Field Engineering Office
Nevada National Security Site
Mercury, Nevada 89023

Property ID: 1713761

Unique Building Identifier: 121

U.S. Federal Real Property Unique
Identifier: 202742

U.S. Agency Designated Covered
Facility ID: 121

Property Owner

Department of Energy
232 Energy Way
North Las Vegas, NV 89030
702-295-1598

Primary Contact

(b) (6)
P.O. Box 98521
M/S: NLV079
Las Vegas, NV 89193
702-295-(b) (6)
(b) (6)@nv.doe.gov

1. Review of Whole Property Characteristics

Basic Property Information

1) Property Name: 06-902 - Field Engineering Office

Is this the official name to be displayed in the [Registry of ENERGY STAR Certified Buildings and Plants](#)?

☒ Yes ☐ No

If "No", please specify: _____

2) Primary Function: Office

Is this an accurate description of the primary use of this property?

☒ Yes ☐ No**3) Location:**Nevada National Security Site
Mercury, Nevada 89023

Is this correct and complete?

☒ Yes ☐ No**4) Gross Floor Area: 7,260 ft²**

Does this represent the entire property? (i.e., no part of the building/property was excluded/subtracted from the total) If "no" please specify what space has been excluded.

☒ Yes ☐ No**5) Annual Occupancy: (b) (4)**

Is this occupancy accurate for the entire 12 month period being assessed?

☒ Yes ☐ No**6) Number of Buildings: 1**

Does this number accurately represent all structures?

☒ Yes ☐ No**Notes:****Indoor Environmental Standards****1) Ventilation for Acceptable Indoor Air Quality**

Does this property meet the ASHRAE Standard 62 for ventilation for acceptable indoor air quality?

☒ Yes ☐ No**2) Acceptable Thermal Environmental Conditions**

Does this property meet the ASHRAE Standard 55 for thermal comfort?

☒ Yes ☐ No**3) Adequate Illumination**

Does this property adhere to the IESNA Lighting Handbook for lighting quality?

☒ Yes ☐ No**Notes:**

2. Review of Property Use Details

Office: 202742

1) Gross Floor Area: 7,260 ft²

Is this the total size, as measured between the principal exterior surfaces of the enclosing fixed walls of the building(s)? This includes all areas inside the building(s) such as: occupied tenant areas, common areas, meeting areas, break rooms, restrooms, elevator shafts, mechanical equipment areas, and storage rooms. Gross Floor Area should not include interstitial plenum space between floors, which may house pipes and ventilation. Gross Floor Area is not the same as rentable, but rather includes all area inside the building(s). Leasable space would be a sub-set of Gross Floor Area. In the case where there is an atrium, you should count the Gross Floor Area at the base level only. Do not increase the size to accommodate open atrium space at higher levels. The Gross Floor Area should not include any exterior spaces such as balconies or exterior loading docks and driveways.

☒ Yes ☐ No

2) Weekly Operating Hours: (b) (4)

Is this the total number of hours per week that the property is occupied by the majority of the employees? It does not include hours when the property is occupied only by maintenance, security, or other support personnel. The Weekly Operating Hours is not the same as the hours during which the HVAC equipment is run, but rather should be based on the hours during which your property is actually occupied by the majority of the tenants. It is possible that these hours may correspond to hours specified within a lease, during which the owner is required to provide the leasee with conditioned space. However, this number should never include additional HVAC startup or shutdown time. For properties with a schedule that varies during the year, Weekly Operating Hours refers to the schedule most often followed.

☒ Yes ☐ No

3) Number of Computers: (b) (4)

Is this the total number of computers, laptops, and data servers at the property? This number should not include tablet computers, such as iPads, or any other types of office equipment.

☒ Yes ☐ No

4) Number of Workers on Main Shift: (b) (4)

Is this the total number of workers present during the primary shift? This is not a total count of workers, but rather a count of workers who are present at the same time. For example, if there are two daily eight hour shifts of 100 workers each, the Number of Workers on Main Shift value is 100. Number of Workers on Main Shift may include employees of the property, sub-contractors who are onsite regularly, and volunteers who perform regular onsite tasks. Number of Workers should not include visitors to the buildings such as clients, customers, or patients.

☒ Yes ☐ No

5) Percent That Can Be Heated: 100

Is this the total percentage of the property that can be heated by mechanical equipment?

☒ Yes ☐ No

6) Percent That Can Be Cooled: 100

Is this the total percentage of the property that can be cooled by mechanical equipment? This includes all types of cooling from central air to individual window units.

☒ Yes ☐ No

Notes:**3. Review of Energy Consumption****Data Overview****Site Energy Use Summary**

Electric - Grid (kBtu) 260,761.4 (100.0%)
 Total Energy (kBtu) 260,761.4

Energy Intensity

Site (kBtu/ft²) 35.9
 Source (kBtu/ft²) 112.8

National Median Comparison

National Median Site EUI (kBtu/ft²) 63.3
 National Median Source EUI (kBtu/ft²) 199
 % Diff from National Median Source EUI -43.29%

Emissions (based on site energy use)

Greenhouse Gas Emissions () 41.5

Power Generation Plant or Distribution Utility:

Nevada Power Co [NV Energy]

Note: All values are annualized to a 12-month period. Source Energy includes energy used in generation and transmission to enable an equitable assessment.

Summary of All Associated Meters

The following meters are associated with the property, meaning that they are added together to get the total energy use for the property. Please see additional tables in this checklist for the exact meter consumption values.

Meter Name	Fuel Type	Start Date	End Date	Associated With
(b) (4)	Electric	01/01/2008	In Use	06-902 - Field Engineering Office

Total Energy Use

☒ Yes ☐ No

Do the meters shown above account for the total energy use of this property during the reporting period of this application?

Additional Fuels

☒ Yes ☐ No

Do the meters above include all fuel types at the property? That is, no additional fuels such as district steam, generator fuel oil have been excluded.

On-Site Solar and Wind Energy

☒ Yes ☐ No

Are all on-site solar and wind installations reported in this list (if present)? All on-site systems must be reported.

Notes:

Electric Meter: (b) (4) kWh (thousand Watt-hours))

Associated With: 06-902 - Field Engineering Office

Start Date	End Date	Usage	Green Power?
09/01/2012	09/30/2012	6,354	No
10/01/2012	10/31/2012	6,495	No
11/01/2012	11/30/2012	5,730	No
12/01/2012	12/31/2012	9,479.6	No
01/01/2013	01/31/2013	9,479.6	No
02/01/2013	02/28/2013	9,479.6	No
03/01/2013	03/31/2013	7,450	No
04/01/2013	04/30/2013	4,197	No
05/01/2013	05/31/2013	5,296	No
06/01/2013	06/30/2013	4,946	No
07/01/2013	08/31/2013	7,518	No
Total Consumption (kWh (thousand Watt-hours)):			76,424.8
Total Consumption (kBtu (thousand Btu)):			260,761.4

Total Energy Consumption for this Meter

☒ Yes ☐ No

Do the fuel consumption totals shown above include consumption of all energy tracked through this meter that affect energy calculations for the reporting period of this application (i.e., do the entries match the utility bills received by the property)?

Notes:

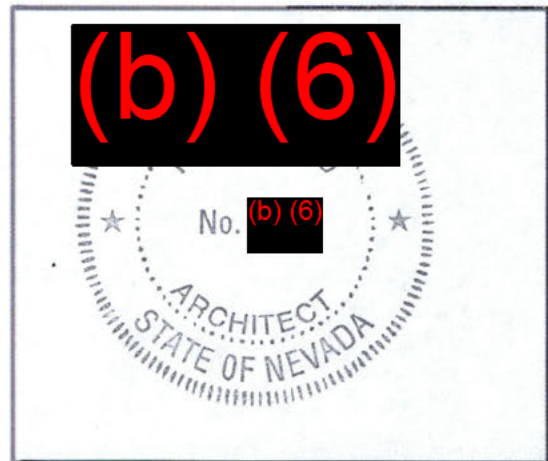
4. Signature & Stamp of Verifying Licensed Professional

(b) (6) (Name) visited this site on 7/16/13 (Date). Based on the conditions observed at the time of the visit to this property, I verify that the information contained within this application is accurate and in accordance with the Licensed Professional Guide.

Signature: (b) (6) Date: 10/8/13

Licensed Professional
License: (b) (6) in NV

(b) (6)
P.O. Box 98521
M/S: NLV079
Las Vegas, NV 89193-8521
(b) (6)@nv.doe.gov
(b) (6)@nv.doe.gov



Professional Engineer Stamp

NOTE: When applying for the ENERGY STAR, the signature of the Verifying Professional must match the stamp.

5. Signatory Agreement

I hereby nominate the above described property for award of the ENERGY STAR. I have provided a copy of the Licensed Professionals Guide to the ENERGY STAR for Commercial Buildings to our Licensed Professional for reference. As documented by the above checklist, the aforementioned property meets the conditions necessary to qualify as ENERGY STAR. I am submitting this application within four months of the Period Ending Date (August 31, 2013) used to generate the application. I will assist EPA, if requested, in verifying any data included in this application. Furthermore, I agree to associate the ENERGY STAR logo only with the aforementioned property and to adhere to the ENERGY STAR Identity Guidelines.

Signature: (b) (6) Date: 10/7/13

Signatory Name: (b) (6)

Property Owner: Department of Energy

The government estimates the average time needed to fill out this form is 15 minutes. It takes the time for entering energy data. Licensed Professional
Energy Professionals Guide to the ENERGY STAR for Commercial Buildings (EPA/DOE) and all other suggestions for reducing the level of effort. Send comments (referring to the control
number) to the Director, Collection Strategies Division, U.S. EPA (DOE/ET) 1201 Pennsylvania Ave., NW, Washington, D.C. 20460